

Consultant: Spatial Data Infrastructure Expert, for the project “*Digital Enhancement of Land Management for the European Future of Bosnia and Herzegovina (DELEF)*”

Introduction:

DELEF is a five-year project with aim to support Bosnia and Hercegovina for reforms in land administration and its institutions in order for BiH to approach EU membership. The project is a cooperation between the Federal Administration for Geodetic and Real Property Affairs (FGA) of the Federation of Bosnia and Herzegovina, the Republic Authority for Geodetic and Property Legal Affairs (RGA) of the Republika Srpska and Lantmäteriet, The Swedish mapping, cadastral and land registration authority.

The project's purpose is to strengthen the capacity of the participating authorities, and thereby to contribute to their transformation into modern technologically developed, trustful, and effective authorities. Authorities who collect the information for which they are responsible and ensure that the information is easily accessible and transparent for all users in BiH.

One important aspect of the project is creating contact surfaces between the entity’s authorities and institutions in BiH in order for them to exchange information and cooperate more and better.

The four project key components are:

1. Overall capacity development,
2. Mass Valuation,
3. Spatial Data Infrastructure (SDI) and
4. Geodetic Infrastructure.

Experts from Lantmäteriet and the Swedish Tax Agency will train and exchange experiences with colleagues from the corresponding Geodetic Authorities and Tax Authorities in BiH.

The expected outcomes of the project are:

Overall Capacity Development: *GA are modern, transparent and efficient organizations contributing to economic and social development in close cooperation with stakeholders involved in land administration in BiH.*

Mass Valuation: *GA contribute to a transparent property market by managing a real estate mass valuation system to benefit all citizens and the business community.*

Spatial Data Infrastructure (SDI): *GA and other spatial data providers enable service-based sharing of up-to-date and accurate spatial data used by stakeholders to face and resolve sustainable development challenges.*

Geodetic Infrastructure: *The accurate, reliable, and easily accessible geodetic infrastructure is globally integrated and used by all stakeholders.*

Scope of work	<p>Spatial Data Infrastructure Expert will be engaged full time at the Federal Administration for Geodetic and Real property affairs (FGA) through the DELEF project.</p> <p>The Consultant for Spatial Data Infrastructure will perform the following:</p> <ul style="list-style-type: none"> • Support the implementation and execution of DELEF project in FBiH, • Support activities in the Spatial Data Infrastructure component according to the agreed plan, time frame and resources within FGA, • Assisting in planning of the Spatial Data Infrastructure component implementation • Support Establishment and maintenance of Spatial Data Infrastructure action plan • Support for continued implementation of the INSPIRE Directive • Management of geospatial data using GIS products such as QGIS, PostgreSQL, Geoserver and other GIS tools • Developing web services WMS, WFS, API • Maintenance of Geoportal and metadata catalogue • Trainings, monitoring and reporting • Participation in workshops • Support for users and stakeholders of the system, • Assisting to Component Coordinator in preparation of all reports, • Other tasks given by the Project Coordinator (FGA); <p>Expected results from the work performed:</p> <ul style="list-style-type: none"> • Critical competence in, geo-information science for FGA is built • Capabilities for systems maintenance and tools for the acquisition are developed for FGA are developed • Competence in data processing, transformation, analysis, storage, presentation and use of geo-information is developed for FGA • Support for currently established services of data sharing (FGA SDI Geoportal and other presentations) is provided • New data sharing services are developed and established • Efficiency in data collection at FGA is increased • Efficiency in data sharing and distribution is increased
Contract period	Planned contract period is 24 months with 12 months extension.

<p>Terms –</p> <p>financial framework, volume and payments</p>	<ul style="list-style-type: none"> • The total estimated volume is maximized to 250 working days per year. • Working day (8 hours) all costs included. • The Contract includes the right to take 20 work days for time off each calendar year, without payment. (Approved by responsible manager from FGA and Lantmäteriet) • Contract includes 3 and 6 months' probation evaluation milestones to make sure the expert is performing on the right level. • Holiday days in FBiH are also non-working days which will not be paid for. • Invoicing and payment will be done on the monthly based on accrued working hours approved by the Lantmäteriet Project Manager. • Cost of person working day can be adjusted after 12 months based on index agreed between parties. • DELEF project will provide the Consultants with Computer, office materials and other logistics for daily tasks; • DELEF project will cover the Consultants expenses while traveling within project scope, with local FBiH per diem included;
<p>Qualifications of the consultant</p>	<ul style="list-style-type: none"> • Consultant selected for Contract must register a self-employed business entity before entering into any contract • Applicants for the role should have a minimum Master degree or equivalent from a recognized university in one of the domains: Geodesy, Geoinformation, Computer science, IT or similar; • 1 year of previous working experience is preferable; • Previous working experience with data analysis or geospatial databases will be regarded as an advantage; • Fluent in the English language, both verbal and written, is a requirement • Knowledge of GIS applications, data analytics and modelling tools; • Possession of valid driver's license; • Technically minded, with computer expertise in use of data Analytic and modelling tools; • Results-oriented, with Problem Solving approach, Enthusiastic team-player, able to understand the needs of others and work effectively in groups.
<p>Beneficiaries</p>	<p>The main primary beneficiaries, and project participants, in this project is FGA. The consultant hired and FGA will strive for the consultant to become permanent FGA staff after this assignment.</p>